



Beaufort County Public Works
Stormwater Infrastructure
Project Summary

Project Summary: Clarendon Road
 Project #: 2011-550 Completed: Oct-10

Narrative Description of Project:
 Project improved 1,799 L.F. of drainage system. Cleaned out 1,711 L.F. of roadside ditch. Jetted (2) crossline pipes, (1) driveway pipe and 88 L.F. roadside pipe. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
Fill Dirt	ton	\$1.00	8.0	\$7.95
Rip Rap	ton	\$43.87	3.7	\$163.20
Filter Blanket	sy	\$0.63	8.3	\$5.25
10-10-10 Fertilizer	bag	\$11.72	1.0	\$11.72
Hydrogel	cup	\$2.82	1.0	\$2.82
Hydromulch	bale	\$12.22	2.0	\$24.44
Hydromax Liquid Fertilizer	cup	\$2.54	1.0	\$2.54
Annual Rye Grass Seed	bag	\$19.21	1.0	\$19.21
Water	gallon	\$0.01	1,900	\$19.00
Turf Staples	each	\$0.03	25.0	\$0.75
Pin Flag	each	\$0.06	22.0	\$1.32
Diesel	gallon	\$2.56	160.5	\$410.88
Gas	gallon	\$2.49	11.0	\$27.39
Labor	hours		251.5	\$5,588.36
Indirect Labor, Services, and Supplies				\$3,920.72
Total Cost of Materials, Rental Equip., and Labor				\$10,205.54

Note: Labor cost includes the employee's salary plus fringe benefits.

Equipment Cost

Item	Asset	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$14.90	23.0	\$342.70
JD Loader 444J	23271	\$29.75	1.0	\$29.75
Vacuum Truck	22812	\$22.16	12.0	\$265.92
Hydroseeder	23474	\$12.44	1.0	\$12.44
Dump Trucks		\$13.31	57.0	\$758.67
Pickup Trucks		\$4.12	52.5	\$216.30
Total Equipment Cost				\$1,625.78

Cost/hour excludes fuel cost.
 Total Cost: \$11,831.32

Site Photographs

Before



During



After



Project: Clarendon Road

Activity: Drainage Maintenance















Project #: 2011-550

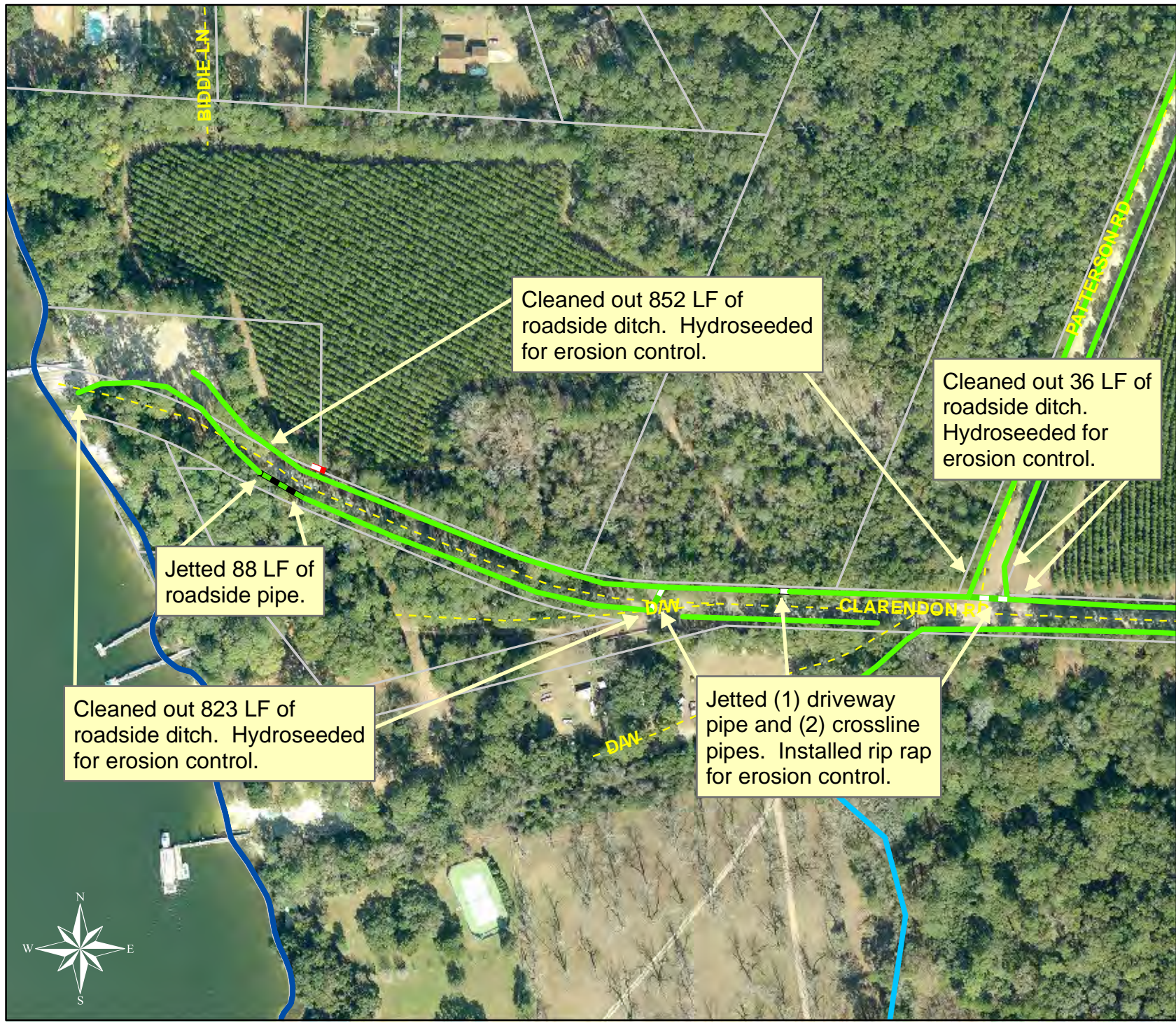
Township: Port Royal Island

Completed: October 2010

Legend

Drainage Type

-  River
-  Stream
-  Outfall
-  Lateral
-  Lateral Pipe
-  Roadside
-  Roadside Pipe
-  Road Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder
-  Parcels



Cleaned out 852 LF of roadside ditch. Hydroseeded for erosion control.

Cleaned out 36 LF of roadside ditch. Hydroseeded for erosion control.

Jitted 88 LF of roadside pipe.

Cleaned out 823 LF of roadside ditch. Hydroseeded for erosion control.

Jitted (1) driveway pipe and (2) crossline pipes. Installed rip rap for erosion control.



1 inch = 215 feet